EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	7	((well adj2 log$5) or (well-log$5)) and (multicarrier or multi-carrier or ((plurality or multiple) adj3 carrier) or (subcarrier or sub-carrier or "DMT")) and (power near3 (transmit$4 or transmission)) and (bits near3 carrier) and (power near3 carrier)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/04/25 18:04
L2	2	((uphole or up-hole) and (downhole or down-hole)) and (multicarrier or multi-carrier or ((plurality or multiple) adj3 carrier) or (subcarrier or sub-carrier or "DMT")) and (power near3 (transmit$4 or transmission)) and (bits near3 carrier) and (power near3 carrier)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/04/25 18:05
L3	1	((well adj2 log$5) or (well-log$5)) and (multicarrier or multi-carrier or ((plurality or multiple) adj3 carrier) or (subcarrier or sub-carrier or "DMT")) and (pilot) and (bits near3 carrier) and (power near3 carrier)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/04/25 18:07

L4	0	((uphole or up-hole) and (downhole or down-hole)) and (multicarrier or multi-carrier or ((plurality or multiple) adj3 carrier) or (subcarrier or sub-carrier or "DMT")) and pilot and (bits near3 carrier) and (power near3 carrier)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/04/25 18:07
L5	27	((well adj2 log$5) or (well-log$5)) and (multicarrier or multi-carrier or ((plurality or multiple) adj3 carrier) or (subcarrier or sub-carrier or "DMT")) and (power near3 (transmit$4 or transmission)) and (bits near3 carrier)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/04/25 18:12
L6	43	((well adj2 log$5) or (well-log$5)) and (multicarrier or multi-carrier or ((plurality or multiple) adj3 carrier) or (subcarrier or sub-carrier or "DMT")) and (power near3 (transmit$4 or transmission)) and (power near3 (carrier or sub-carrier or subcarrier)) and demodulat$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/04/25 18:13
L7	6	((uphole or up-hole) and (downhole or down-hole)) and (multicarrier or multi-carrier or ((plurality or multiple) adj3 carrier) or (subcarrier or sub-carrier or "DMT")) and (power near3 (transmit$4 or transmission)) and (power near3 (carrier or sub-carrier or subcarrier)) and demodulat$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/04/25 18:15

L8	23	(uphole or up-hole) and (downhole or down-hole) and (multicarrier or multi-carrier or ((plurality or multiple) adj3 carrier) or (subcarrier or sub-carrier or "DMT")) and (power near3 transmit$4 or transmission)) and demodulat$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/04/25 18:17
L9	98	(well-log$5 or (well adj2 log$5)) and (multicarrier or multi-carrier or ((plurality or multiple) adj3 carrier) or (subcarrier or sub-carrier or "DMT")) and (power near3 transmit$4 or transmission)) and demodulat$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/04/25 18:20
L10	55	L9 not L6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/04/25 18:20
L11	45	L10 not L8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/04/25 18:21
L12	8	((uphole or up-hole) and (downhole or down-hole) and (multicarrier or multi-carrier or ((plurality or multiple) adj3 carrier) or (subcarrier or sub-carrier or "DMT")) and (bits near3 carrier) and (encod$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/04/25 18:35
L13	18	((well adj2 log$5) or well-log$5) and (multicarrier or multi-carrier or ((plurality or multiple) adj3 carrier) or (subcarrier or sub-carrier or "DMT")) and (bits near3 carrier) and (encod$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/04/25 18:35

L14	3	((well adj2 log$5) or well-log$5) and (multicarrier or multi-carrier or ((plurality or multiple) adj3 carrier) or (subcarrier or sub-carrier or "DMT")) and (bits near3 carrier) and (bits near3 constellation)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/04/25 18:38
L15	2	((uphole or up-hole) and (downhole or down-hole)) and (multicarrier or multi-carrier or ((plurality or multiple) adj3 carrier) or (subcarrier or sub-carrier or "DMT")) and (bits near3 carrier) and (bits near3 constellation)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/04/25 18:38
L16	0	((uphole or up-hole) and (downhole or down-hole)) and (multicarrier or multi-carrier or ((plurality or multiple) adj3 carrier) or (subcarrier or sub-carrier or "DMT")) and ((amplitude or magnitude) near3 (subcarrier or sub-carrier or carrier)) and ((max$5 near3 power) same (carrier or subcarrier or sub-carrier))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/04/25 18:42
L17	0	((well adj2 log$4) or well-log$4) and (multicarrier or multi-carrier or ((plurality or multiple) adj3 carrier) or (subcarrier or sub-carrier or "DMT")) and ((amplitude or magnitude) near3 (subcarrier or sub-carrier or carrier)) and ((max$5 near3 power) same (carrier	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/04/25 18:42

		or subcarrier or sub-carrier))				
L18	1	((well adj2 log$5) or (well-log$5)) and (multicarrier or multi-carrier or ((plurality or multiple) adj3 carrier) or (subcarrier or sub-carrier or "DMT")) and (demodulat$4 same (bits near3 carrier))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/04/25 18:44
L19	6	((well adj2 log$5) or (well-log$5)) and (multicarrier or multi-carrier or ((plurality or multiple) adj3 carrier) or (subcarrier or sub-carrier or "DMT")) and ((train $5 or known) same gain) and (gain with carrier)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/04/25 18:45
L20	0	((uphole or up-hole) and (downhole or down-hole)) and (multicarrier or multi-carrier or ((plurality or multiple) adj3 carrier) or (subcarrier or sub-carrier or "DMT")) and ((train $5 or known) same gain) and (gain with carrier)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/04/25 18:45
L21	9	(375/218.ccls. or 375/234.ccls. or 375/259-261.ccls.) and ((well adj2 log $5) or (well-log$5)) and (multicarrier or multi-carrier or ((plurality or multiple) adj3 carrier) or (subcarrier or sub-carrier or "DMT"))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/04/25 18:51

L22	4	(375/218.ccls. or 375/234.ccls. or 375/259-261.ccls.) and ((uphole or up-hole) and (downhole or down-hole)) and (multicarrier or multi-carrier or ((plurality or multiple) adj3 carrier) or (subcarrier or sub-carrier or "DMT"))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/04/25 18:52
L23	0	(downhole and uphole and ((plurality or multiple) adj3 carrier)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/04/25 18:53
L24	0	(downhole and uphole and ((plurality or multiple) adj3 carriers)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/04/25 18:54
S4	1471	702/6-13.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/09 15:22
S5	24	S4 and (driver same power) and (power same (length or temperature))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/09 15:27
S6	12	"5365229"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/10 15:18
S7	2	(well-log$4 or (well adj1 log$4)) and ((adjust$4 or chang$4 or increas$4 or decreas$4) near3 power) same (cable near2 (length or temperature of material))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/09 15:30
S8	2	(well-log$4 or (well adj1 log$4)) and (((adjust$4 or chang$4 or increas$4 or decreas$4) near3 power) same (cable near2 (length or temperature of material)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/09 15:32

S9	2	(well-log$4 or (well adj1 log$4)) and (((adjust$4 or chang $4 or increas$4 or decreas$4) near3 power) same (cable near4 length or temperature of material))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/09 15:31
S10	457	(((adjust$4 or chang $4 or increas$4 or decreas$4) near3 power) same (cable near4 length or temperature of material))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 15:36
S11	457	(((adjust$4 or chang $4 or increas$4 or decreas$4) near3 power) same (cable near4 length or temperature or material)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/09 15:32
S12	31	(((adjust$4 or chang $4 or increas$4 or decreas$4) near3 power) with (driver or amplifier)) same (cable near4 length or temperature or material))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/09 15:32
S13	48	(((adjust$4 or chang $4 or increas$4 or decreas$4 or control $4) near3 power) with (driver or amplifier)) same (cable near4 length or temperature or material))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/09 15:34
S14	2	(well-log$4 or (well adj1 log$4)) and (((adjust$4 or chang $4 or increas$4 or decreas$4 or control44) near3 power) same (cable near2 length or temperature or material)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/09 15:32

S15	377	(((adjust$4 or chang $4 or increas$4 or decreas$4 or control $4) near3 power) with (driver or amplifier)) with cable	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/09 15:35
S16	137	((((adjust$4 or chang $4 or increas$4 or decreas$4 or control $4) near3 power) with (driver or amplifier)) with cable) same (transmit $4 or transmission)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 12:40
S17	2	"6493395".PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/10 19:06
S18	335	((((adjust$4 or chang $4 or increas$4 or decreas$4 or control $4) near4 power) with (driver or amplifier)) same (cable)) same (transmit$4 or transmission)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 13:08
S19	0	S18 and (train$4 same (bits near3 (carrier or channel)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 12:30
S20	16	S18 and (multicarrier or multi-carrier or "DMT")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 16:35
S21	60	((((adjust$4 or chang $4 or increas$4 or decreas$4 or control $4) near4 power) with (driver or amplifier)) same (cable)) same (measur$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 15:55
S22	168	(((adjust$4 or chang $4 or increas$4 or decreas$4 or control $4) near3 power) same (cable near2 loss)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 12:41

S23	5	(((adjust$4 or chang $4 or increas$4 or decreas$4 or control $4) near3 power) same (cable near2 loss)) same (measur $4 near3 signal)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 16:48
S24	30	(((adjust$4 or chang $4 or increas$4 or decreas$4 or control $4) near3 power) same (cable near2 loss)) and measur$4 near3 signal)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 12:46
S25	116	(((adjust$4 or chang $4 or increas$4 or decreas$4 or control $4) near3 power) same (cable)) same measur$4 near3 signal)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 12:53
S26	5	((well adj1 log$4) or well-log$4) same (multicarrier or multi- carrier or "DMT")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 12:48
S27	2260	((adjust$4 or chang $4 or increas$4 or decreas$4 or control $4) near3 power) same (measur$4 same receiver)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 12:54
S28	1214	((adjust$4 or chang $4 or increas$4 or decreas$4 or control $4) near3 power) same (measur$4 with receiver)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 12:54
S29	633	(((adjust$4 or chang $4 or increas$4 or decreas$4 or control $4) near3 power) with (transmit$4 or transmisstion)) same (measur$4 with receiver)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 12:55

S30	16	(((adjust$4 or chang $4 or increas$4 or decreas$4 or control $4) near3 power) with (transmit$4 or transmisstion)) same (measur$4 with receiver) same cable)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 12:56
S31	99	(((adjust$4 or chang $4 or increas$4 or decreas$4 or control $4) near3 power) with (transmit$4 or transmisstion)) same (measur$4) same cable	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 13:00
S32	57375	(control$4 near2 power).ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 13:00
S33	1236	S32 and (power same cable)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 13:01
S34	23	S33 and ((measur$4 or calculat$4) with receiver)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 13:01
S35	1041	(((adjust$4 or chang $4 or increas$4 or decreas$4 or control $4) near4 power) with (driver or amplifier) same cable))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 13:10
S36	12	S35 and (transmit$4 adj2 power adj1 control$4 or adjust $4) adj2 (signal or message or bit or command))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 13:11
S37	23272	((adjust$4 or chang $4 or increas$4 or decreas$4 or control $4) near4 power) same (cable)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 13:10
S38	104	S37 and (transmit$4 adj2 power adj1 control$4 or adjust $4) adj2 (signal or message or bit or command))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 13:30

S39	2	"6522731".PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/10 13:30
S40	1	S39 and train$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/10 13:30
S41	2	"6493395".PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/10 15:22
S42	1	S41 and train$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/10 15:22
S43	19490	((adjust$4 or chang $4 or increas$4 or decreas$4 or control $4) near3 power) same (cable)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 15:46
S44	168	((adjust$4 or chang $4 or increas$4 or decreas$4 or control $4) near3 power) same (cable near2 loss)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 15:46
S45	26	((adjust$4 or chang $4 or increas$4 or decreas$4 or control $4) near3 power) same (cable near2 attenuation)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 15:39
S46	17	S44 and (measur$4 same receiver)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 15:41
S47	11035	((adjust$4 or chang $4 or increas$4 or decreas$4 or control $4) near3 power) with (cable)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 15:47
S48	13373	((adjust$4 or chang $4 or increas$4 or decreas$4 or control $4) near4 power) with (cable)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 15:48
S49	145	((adjust$4 or chang $4 or increas$4 or decreas$4 or control $4) near4 power) with (cable)) same (transmit$4 near3 (power adj2 (signal or message or command or bit))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 15:53

S50	13261	((adjust$4 or chang $4 or increas$4 or decreas$4 or control $4) near4 power) and ((transmit$4 with ((adjust$4 or control) adj1 signal)) same power)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 15:56
S51	1312	((adjust$4 or chang $4 or increas$4 or decreas$4 or control $4) near4 power) and (((transmit$4 with ((adjust$4 or control) adj1 signal)) same power) same measur$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 15:57
S52	278	((adjust$4 or chang $4 or increas$4 or decreas$4 or control $4) near4 power) and (((transmit$4 with ((adjust$4 or control) adj1 signal)) same power) same measur$4) and cable	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 16:05
S53	202	((power near2 (control or adjust$4)) near3 (feedback or feed-back)).ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 16:07
S54	2	S53 and cable	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 16:06
S55	104	(multicarrier or multi- carrier or "DMT") and (train$4 same (bits near3 carrier))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 16:45
S56	61	S55 and (train$4 near2 (signal or sequence or pattern))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 16:53
S57	9	"6519291"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 16:45
S58	0	(multicarrier or multi- carrier or "DMT") and (train$4 same (loss near3 synchroniz$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 16:46

S59	0	(multicarrier or multi-carrier or "DMT") and (train$4 same (loss with synchroniz$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 16:46
S60	128	(multicarrier or multi-carrier or "DMT") and (train$4 with synchroniz$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 16:46
S61	2	("6519291").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/10 16:48
S62	1	S61 and train$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/10 16:48
S63	730	S55 and (train$4 near2 (signal or sequence or pattern)) and retrain $4 or re-train$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 16:54
S64	10	S55 and (train$4 near2 (signal or sequence or pattern) and (retrain $4 or re-train$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 17:00
S65	3365132	S55 and (train$4 near2 (signal or sequence or pattern) and (retrain $4 or re-train$4) an power	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 17:03
S66	1	S55 and (train$4 near2 (signal or sequence or pattern) and ((retransmit$4 or re-transmit$4) near4 train$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 17:01
S67	10	S55 and (train$4 near2 (signal or sequence or pattern) and (retrain $4 or re-train$4) and power	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 17:45
S68	2	("6469636").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/10 17:06

S69	6	S55 and (train$4 near2 (signal or sequence or pattern)) and (retrain $4 or re-train$4) and power and pilot	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/10 17:45
S70	2	"6493395".PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/10 19:06
S71	1	S70 and train$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/10 19:09
S72	2	"5812599".PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/24 12:05
S73	1	"6473438".pn. and power	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/23 19:02
S74	0	(power adj1 level) same (bits-per-carrier)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/23 19:06
S75	50	(power adj1 level) same (bits near2 carrier)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/23 19:08
S76	12	S75 and "DMT"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/23 19:06
S77	140	((adjust$4 or chang $4 or increas$4 or decreas$4) near3 power) and (bit near3 carrier) and "DMT"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/23 19:09
S78	2	"6529710".PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/24 12:07
S79	28	"DMT" and ((measur $4 near4 (signal)) same ((adjust$4 or chang$4 or increas$4 or decreas$4) near3 power))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/24 12:14
S80	5	S79 and (bits near3 carrier)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/24 12:14

| S81 | 18 | S79 and (bits near3 (carrier or channel or subchannel or subcarrier or sub- channel or sub- carrier)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/12/24 12:15 |

4/25/10 7:08:42 PM

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